



# Prevent 2.4mm to 2.9mm mating damage

JFW Industries, Inc.

With the push to 5G by wireless cellular providers, our lab benches are now being occupied with a greater number of high frequency fixed attenuators with 2.9 mm (aka 2.92 mm) and 2.4 mm RF connectors. It is important to be able to tell these RF connectors apart because 2.4 mm and 2.9 mm connectors will damage each other if mated together.

## SMA Type

- DC-18GHz (standard)
- DC-26.5GHz (precision)
- Mates with 2.9 mm
- Mates with 3.5 mm
- PTFE dielectric

## 2.9 mm Type

- DC-40GHz
- Mates with SMA
- Mates with 3.5 mm
- Air dielectric
- aka 2.92 mm

## 2.4 mm Type

- DC-50GHz
- Mating pins 56% smaller than 2.9 mm
- Mates with 1.85 mm
- Does NOT mate with 2.92 mm
- Does NOT mate with SMA
- Air dielectric

